

Docket No. 1999P07769US01

UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Quail et al.

Art Unit: 3661

Serial No .:

09/654,417

Examiner: To, T.

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For:

CONTROLLER FOR OCCUPANT RESTRAINT SYSTEM

Docket No.:

1999P07769US01; 60,426-096

Assistant Commissioner for Patents Washington, D.C. 20231

RECEIVED JAN 1 8 2002 GROUP 3600

Dear Sir:

01 FC:103

In response to the Office Action of July 19, 2001, please amend the above-identified application as follows.

IN THE CLAIMS

Please amend the following claims. Please add new claims 29-40. A marked up version of the claims is attached at Appendix A.

A method as set forth in claim 18 including utilizing a fuzzy logic 27. (Amended) analysis process to generate the output signal based on the plurality of input signals before step (e) wherein the fuzzy logic analysis process includes the steps of creating membership functions by assigning each non-modifier signal to one of a plurality of predetermined values within a designated range for each function; designating rules to be applied to the input 01/22/2002 DBA signals and input signals to form an optimal control decision; and translating the optimal control decision into the output signal.